

Abstract of the Disclosure:

A multibeam scanning device for scanning a photosensitive material with a multi-spot array includes a plurality of fiber exits, which are in each case detachably inserted into a holder of a mount of the multibeam scanning device. The fiber exits are aligned in order to generate a precise multi-spot array. A method for correcting the position of image points of a multi-spot array is also provided. The fiber exits are inserted into the holder such that they have a defined rotational angle in relation to their axis and such that all image points have substantially the same angular alignment in relation to their desired position. Then the distances of the individual image points from their desired positions are reduced by deflecting the laser beams and/or by delaying the time of incidence of the laser beams on the photosensitive material.

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